

Alaska Energy Authority & Denali Commission

Emerging Energy Technology Fund Progress Report

Grant Number: 7310051

Project Title: Wind Diesel Battery Hybrid for Kwigillingok

Grantee: Intelligent Energy Systems

Reporting Period: April 1, 2014 to June 30, 2014

Deliverables Submitted: The following Deliverables have been submitted in this quarter:

- Letter of continued support from the Kwigillingok community.

Budget: The project is currently slightly over budget because of extreme weather issues, increased freight costs and unforeseen installation and commissioning labor. All efforts to mitigate the budget issues will be made and the budget progress will be re-assessed within the next quarter. At this time, the project is assumed to be completable under existing grant funds.

Schedule Status: Project is on track to closeout September 2015, under the amended grant agreement. This is to accommodate a full year of system monitoring.

Percent Complete: 70%

Milestone	Task	Deliverables	Status
1	Complete site design	System one-line, site agreement, instrumentation plan	100% Complete
2	Battery shelter procurement		100% Complete
3	Factory acceptance testing	Acceptance results report	100% complete
4	Procure remaining equipment		95% complete
5	Deliver materials to site		95% complete
6	Collect baseline data		In progress
7	Installation and commissioning	Commissioning report	In progress
8	Long term system monitoring		In progress
9	Economic analysis	Economic analysis	In progress
10	System modeling	Modeling summary report	In progress
11	Data evaluation and draft project report	Draft project report	
12	Final project report	Final report	

Work Progress: The following site work occurred:

- BESS Commissioning continued, including diesels off at the power house.
- BESS Installation punch list 90% completed.
- The wind farm distribution feeder repaired, sectionalizer installed.

Future work: The final phase of Commissioning continues on the BESS system. This phase is wind event dependent to confirm PLC logic. The commissioning report is expected to be completed by September 1. Data collection continues. Data reporting templates developed.